

# **Australian Health Performance Framework: PI 2.1.1— Immunisation rates for vaccines in the national schedule, 2020**

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# Australian Health Performance Framework: PI 2.1.1– Immunisation rates for vaccines in the national schedule, 2020

## Identifying and definitional attributes

|                             |  |
|-----------------------------|--|
| <b>Metadata item type:</b>  | Indicator  |
| <b>Indicator type:</b>      | Indicator  |
| <b>Common name:</b>         | AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020   |
| <b>Short name:</b>          | AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020   |
| <b>METEOR identifier:</b>   | 728323   |
| <b>Registration status:</b> | <a href="#">Health</a> , Superseded 07/09/2023   |
| <b>Description:</b>         | The proportion of 1-, 2- and 5-year-olds who have been assessed as fully immunised according to information recorded in the Australian Immunisation Register.  |
| <b>Rationale:</b>           | Immunisation is highly effective in reducing morbidity and mortality caused by vaccine-preventable diseases such as measles, meningococcal disease and poliomyelitis. Vaccinations are an effective strategy for reducing disease disparities between population groups. |
| <b>Indicator set:</b>       | <a href="#">Australian Health Performance Framework, 2020</a><br><a href="#">Health</a> , Superseded 11/07/2023  |

## Collection and usage attributes

|                                 |   |
|---------------------------------|---|
| <b>Computation description:</b> | The proportion of 1-, 2- and 5-year-olds who are fully immunised according to the National Immunisation Program Schedule. |
| <b>Computation:</b>             | $100 \times (\text{Numerator} \div \text{Denominator})$<br>Calculated separately for 1-, 2- and 5-year-old children.      |

**Numerator:** 1-, 2-, and 5-year old children who are fully vaccinated according to the National Immunisation Program Schedule.

Fully vaccinated 1 year olds who, prior to the age of 12 months were vaccinated against:

- diphtheria
- tetanus
- pertussis (whooping cough)
- poliomyelitis
- hepatitis B
- *Haemophilus influenzae* type b
- pneumococcal disease.

Fully vaccinated 2 year olds who, prior to the age of 24 months, were vaccinated against:

- diphtheria
- tetanus
- pertussis (whooping cough)
- poliomyelitis
- hepatitis B
- *Haemophilus influenzae* type b
- pneumococcal disease
- meningococcal C, measles, mumps, rubella and varicella (chickenpox).

Fully vaccinated 5 year olds who, prior to the age of 60 months, were vaccinated against:

- diphtheria
- tetanus
- pertussis (whooping cough)
- poliomyelitis.

**Numerator data elements:**

**Data Element / Data Set**

**Data Element**

Number of 1-, 2- and 5- year old children fully vaccinated according to the National Immunisation Program schedule.

**Data Source**

[Australian Immunisation Register \(AIR\)](#)

**Guide for use**

Data source type: Register

**Denominator:**

Number of 1-, 2- and 5- year old children registered on the Australian Immunisation Register.

**Denominator data elements:**

**Data Element / Data Set**

**Data Element**

Number of children who turned 1, 2 or 5 years between 1 April and 31 March the following year registered with Medicare on the National Immunisation Register

**Data Source**

[Australian Immunisation Register \(AIR\)](#)

**Guide for use**

Data source type: Register

**Disaggregation:** 2012–13 to 2018–19—Nationally, by Indigenous status.  
2012–13 to 2018–19—State and territory, by Indigenous status.  
2012–13 to 2018–19—Primary Health Network (PHN), by Indigenous status.  
Some disaggregation may result in numbers too small for publication.

**Disaggregation data elements:**

**Data Element / Data Set**

**Data Element**

Indigenous children who turned 1, 2 or 5 years between 1 April and 31 March registered with Medicare on the National Immunisation Register

**Data Source**

[Australian Immunisation Register \(AIR\)](#)

**Guide for use**

Data source type: Register

**Data Element / Data Set**

[Address details cluster](#)

**Data Source**

[Australian Immunisation Register \(AIR\)](#)

**Guide for use**

Data source type: Register

Used for disaggregation by state/territory and PHN

**Comments:** Most recent data available for 2020 Australian Health Performance Framework reporting: 2018–19 (reporting period 1 April to 31 March).

## Representational attributes

**Representation class:** Percentage

**Data type:** Real

**Unit of measure:** Person

**Format:** N[N].N

## Indicator conceptual framework

**Framework and dimensions:** [1. Effectiveness](#)

## Data source attributes

**Data sources:**

**Data Source**

[Australian Immunisation Register \(AIR\)](#)

**Data custodian**

Australian Government Department of Health

## Accountability attributes

**Methodology:** A full description of the methodology used can be found in *Methodology for measuring Australia's childhood immunisation coverage* (O'Brien et al. 1998).

For each age it is assumed that earlier vaccinations in the series have been given.

A change in the definition of fully immunised for 2 year olds occurred from the quarter ending 31 December 2014 when meningococcal C vaccination (given at 12 months), dose 2 measles, mumps, rubella (MMR), and dose 1 varicella vaccination were included in the definition of 'fully immunised'. A second change for this age group occurred from the quarter ending 31 March 2017 when dose 4 diphtheria, tetanus, pertussis (DTP) was included in the definition of 'fully immunised'. The inclusion of these additional vaccines caused decreases in the reported immunisation coverage rates at 2 years of age.

**Reporting requirements:** Australian Health Performance Framework

**Organisation responsible for providing data:** Department of Human Services

**Release date:** 29/07/2019

## Source and reference attributes

**Submitting organisation:** Australian Institute of Health and Welfare

**Reference documents:** O'Brien E D, Sam, G A and Mead C 1998. Methodology for measuring Australia's childhood immunisation coverage. *Communicable Diseases Intelligence* 22(3):36–37. Viewed 30 October 2019, <https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdi2203-1>.

## Relational attributes

**Related metadata references:** Supersedes [Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2019](#)  
[Health](#), Superseded 01/12/2020

Has been superseded by [Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2021](#)  
[Health](#), Standard 07/09/2023

See also [Immunisation rates for children, 2014–15](#)  
[National Health Performance Authority \(retired\)](#), Retired 01/07/2016

See also [National Healthcare Agreement: PI 09-Immunisation rates for vaccines in the national schedule, 2012](#)  
[Health](#), Retired 25/06/2013